

External User policy for Small angle X-Ray Scattering system

The small angle X-ray scattering (from hereby referred as SAXS) instrument uses the principle of elastic scattering of X-rays (wavelength 0.1- 0.2 nm) by a sample to determine the structure of particle systems in terms of averaged sizes or shapes. The method is accurate, non-destructive and usually requires only a minimum of sample preparation. Applications are very broad and include the metal, cement, oil, polymer, plastics, food and pharmaceutical industries.

The samples can either be in powder or in liquid form.

Currently SAXS facility installed in Research Lab of Department of Chemical Engineering at IIT Hyderabad is open to External users as per the following norms:

1. A memorandum of understanding needs to be signed with IIT Hyderabad to use this facility on a charged basis. It includes confidentiality agreement and disclosure of the samples.
2. External users need to submit an online request to the Faculty-in-charge of the facility to book the slot at least a week in advance.
3. User need to provide brief information regarding the nature and history of the samples and the objectives of the investigations in the registration form to be submitted before the slot timing.
3. The SAXS facility of IIT Hyderabad will be acknowledged in the publications/reports/patents/thesis/any other document available in public domain in which the data is used. Kindly send us the publication reference (Journal name/volume number/names of the authors/date of issue of the publication etc) to us. These cannot be used as certificates in legal disputes.
4. Please send the samples in quantity as mentioned in the registration form. Samples are not recovered, unless a special request is made.
5. In all correspondence our reference/registration number must be mentioned.
6. The analytical data/spectra are provided only for research/development purposes.
7. Unstable and explosive compounds are not accepted for analysis.
8. Services are rendered to only those users who regularly give us feed -back about the end use of the result, e.g. thesis, patent, process publication etc.
9. Interpretation of spectra is not undertaken normally. In special cases this service can be provided on payment on extra charges.
10. In case of shutdown, regular maintenance, power failure or any other unusual situation as per the jurisdiction of the undersigned, the slot allotted may be cancelled without any prior notification. However a preference will be given to the user once the system restores.
11. One user may be allowed to be present while the samples are being examined during the allotted slot.
12. Size of the sample (solid thin films) should be 21 mm x 7 mm max.
13. The charges for each sample may be fixed 5,000 INR for industry and 4,000 INR for academia. The amount should be deposited in the form of cheque/DD in favour of 'IIT Hyderabad' along with the registration form. The same may be deposited via online bank transfer to IIT Hyderabad account (A/C No. 30859844343) in SBI, IIT Hyderabad Branch.
14. If you want samples back, please inform in your request. Kindly collect your samples at the time of collection of your data. Samples which are not collected within a week from the date of report collected/sample analysis will be disposed of immediately without any further notice.

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